

1/7

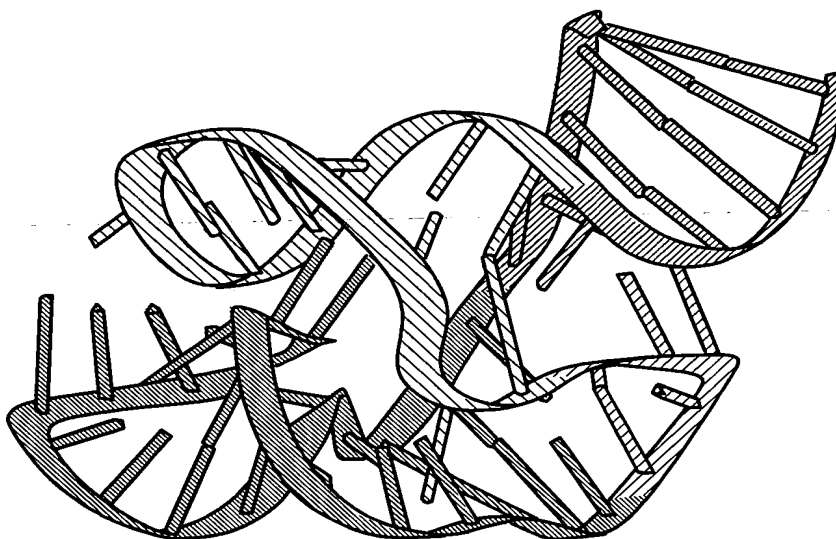


FIG. 1c

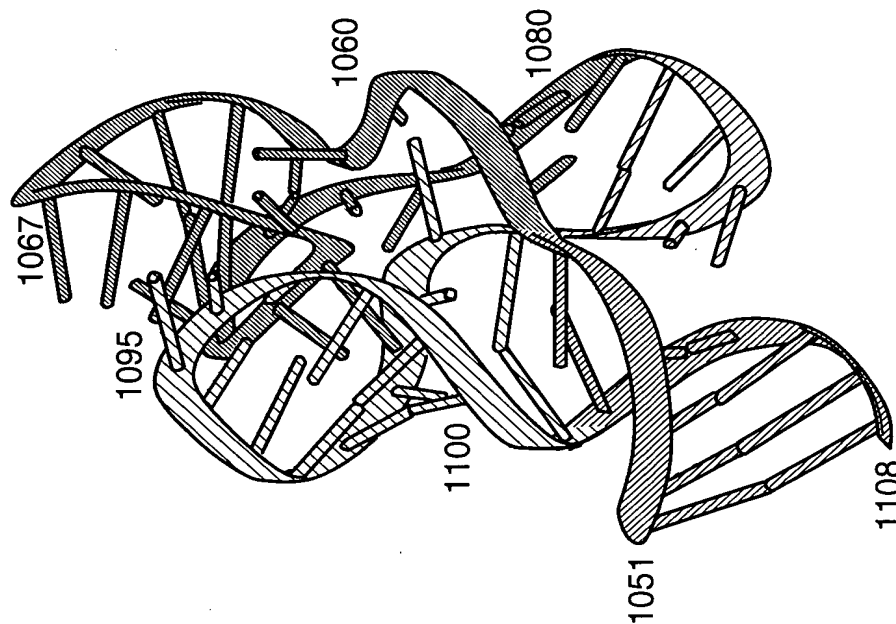


FIG. 1b

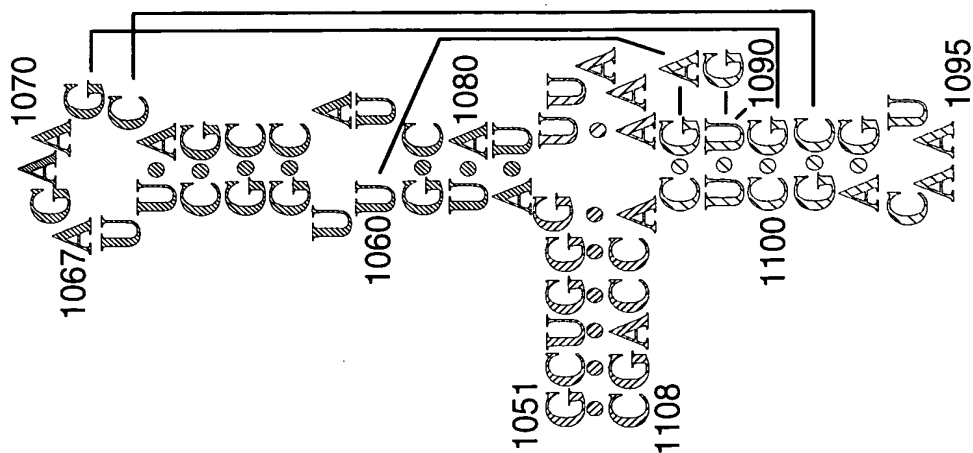


FIG. 1a

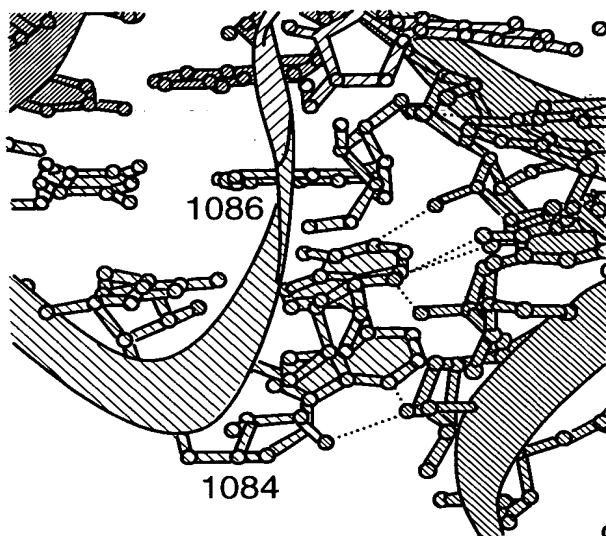


FIG. 2a

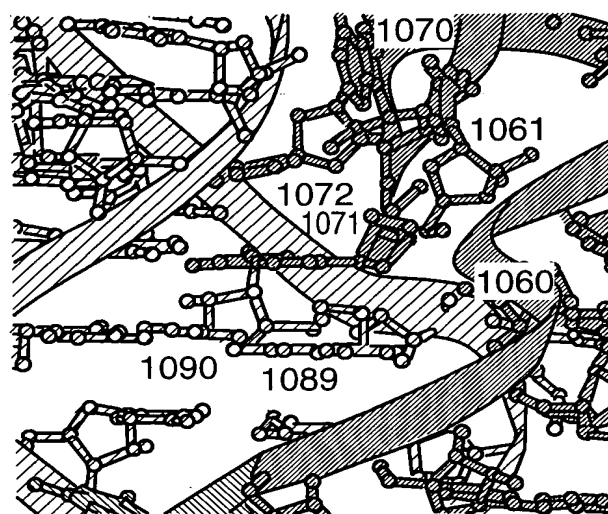


FIG. 2b

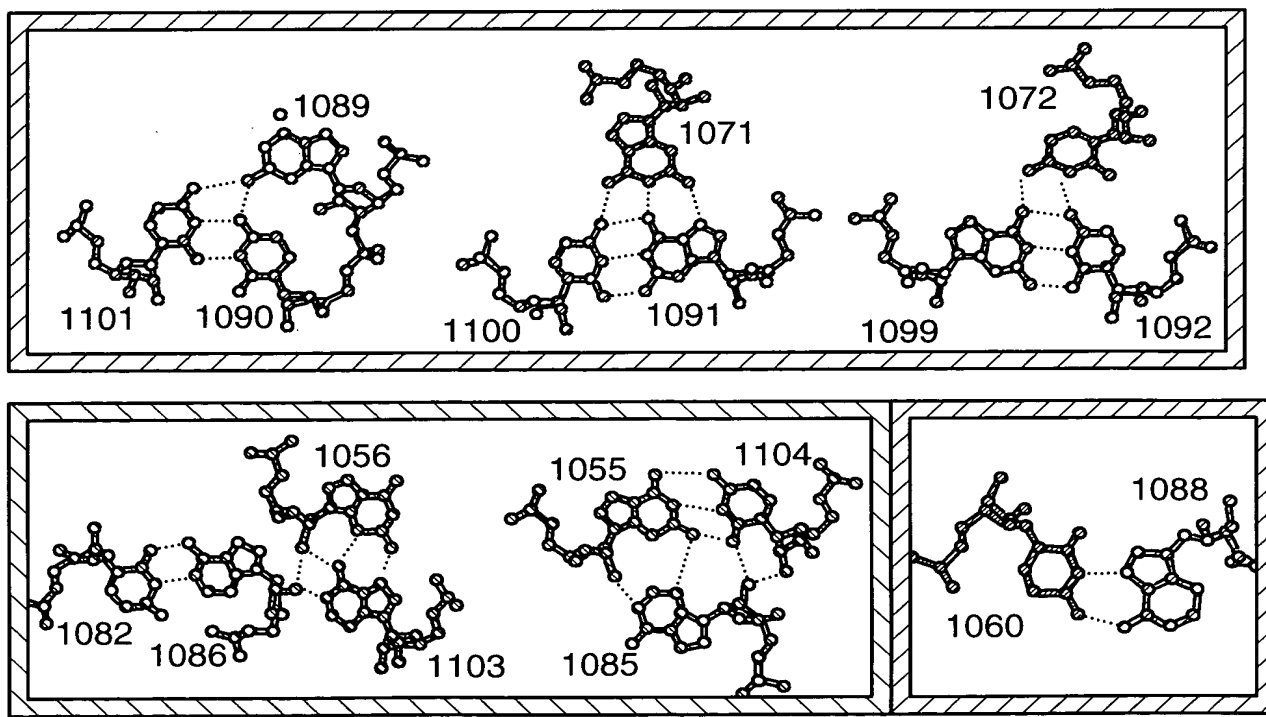


FIG. 2c

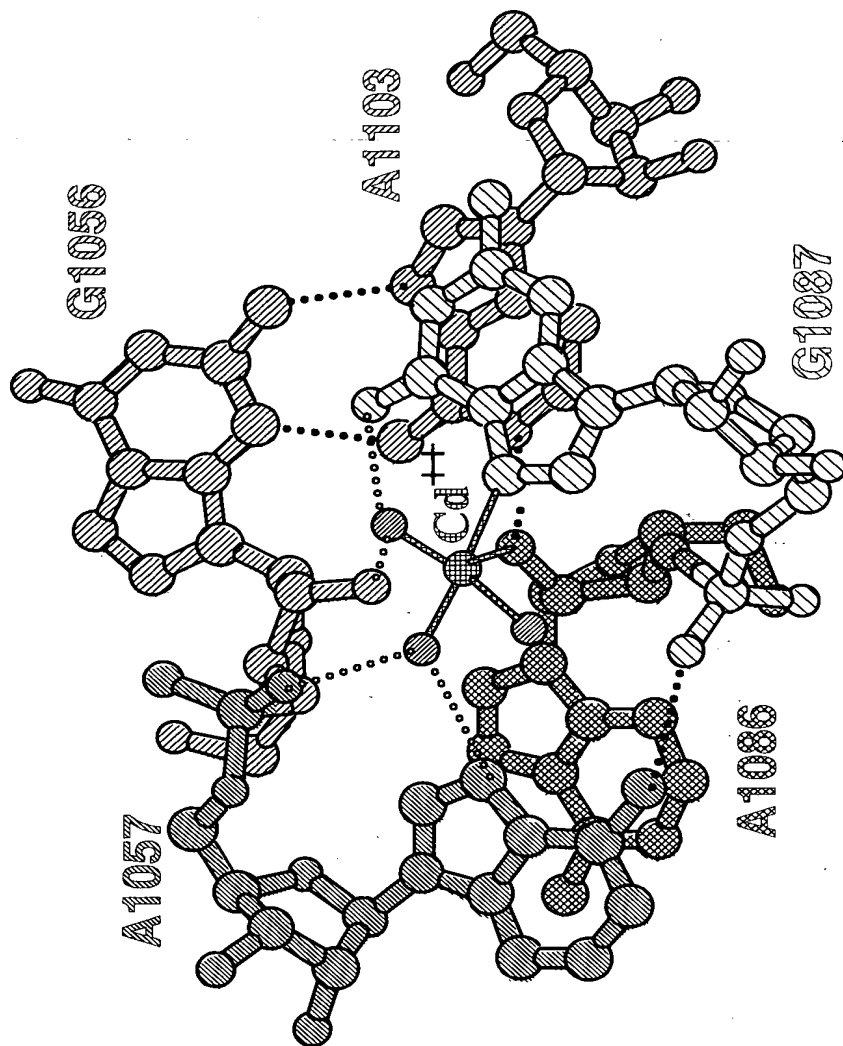


FIG. 3b

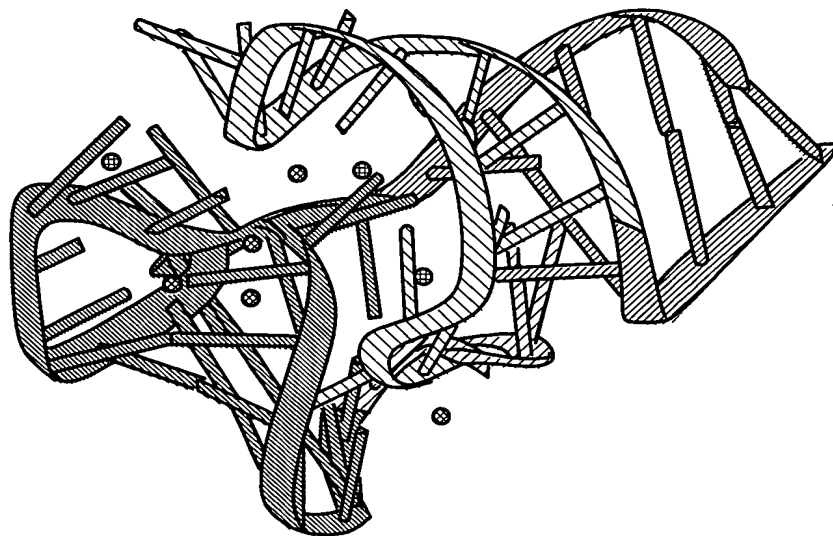
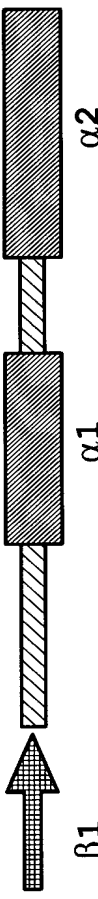


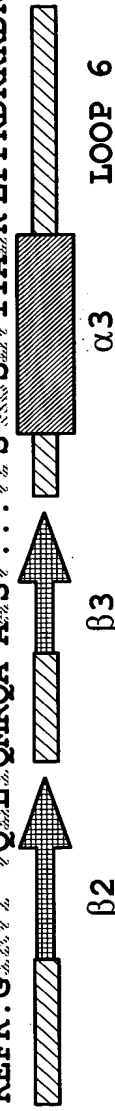
FIG. 3a

1 10 20 30 40
E coli ...MAKKVQ AYKQAAAG MANPSPVGP ALGQQGVNIM EFCKAFNAKT
T marit ...MAKKVA AQKQAPAG KATPAPPVGP ALGQHGVNIM EFCKRFNAET
Sulf acMPT KT KKEGG SAKPGPPLGP TLSQLGLNVQ EVVKKINDVT
Sacc corMPPKFDPNV KYLYLAVGG EVGASAAALAP KIGPLGLSPK KVGEDIAKAT




$\beta 1$ $\alpha 1$ $\alpha 2$

50 60 70 80 90
E coli DSIEKGLT VTTT.ADR S TTVV P AVLLKAG L..KS K P
T marit AD.KAG VTTY.EDK A TTI P S FLLKAG L..E S S E P
Sulf ac AQFK.G T K K D S S T K K D K G T S L L K A N . . Q E S S D P
Sacc cor KEFK.G Q L L Q M R Q A A S . . . S S L I T A K E P P R D R K K D K



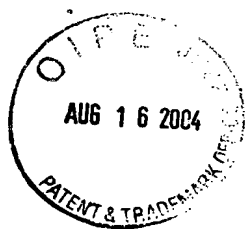
$\beta 2$ $\beta 3$ $\alpha 3$ $\alpha 4$ $\alpha 5$ $\alpha 6$ LOOP 6

100 110 120 130 140
E coli DKVGK SR AQ Q E L Q A A T G D I E R E E R S G L V V E D .
T marit K I V G K T R K Q F F K K M P N A S I E K E S K S G L E V D .
Sulf ac A K K I G N D L E Q A D I I K K P S A T L T N K L L S S S I G L T V E G K
Sacc cor N V K H S G N Q L D E I E K M R D S G T L A S T K L L S S Q S V G R V D E K



$\beta 4$ $\alpha 4$ $\alpha 5$ $\alpha 6$

FIG. 4a



5/7

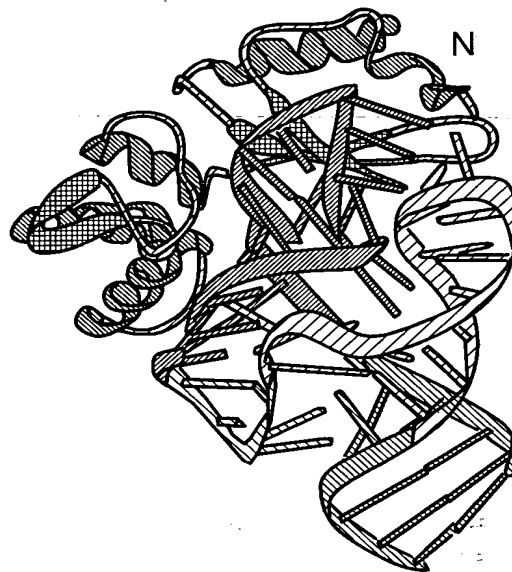
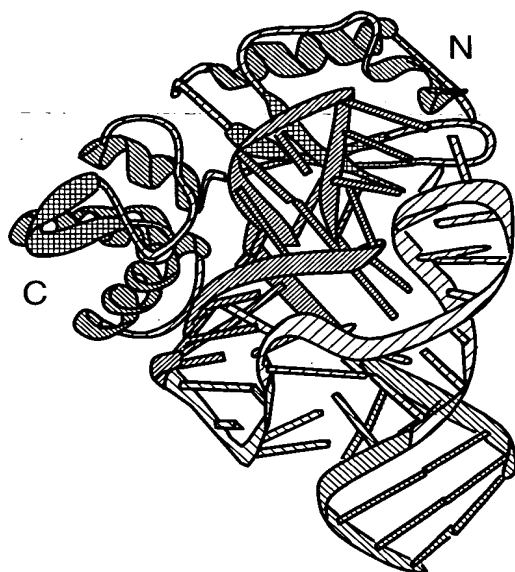


FIG. 4b

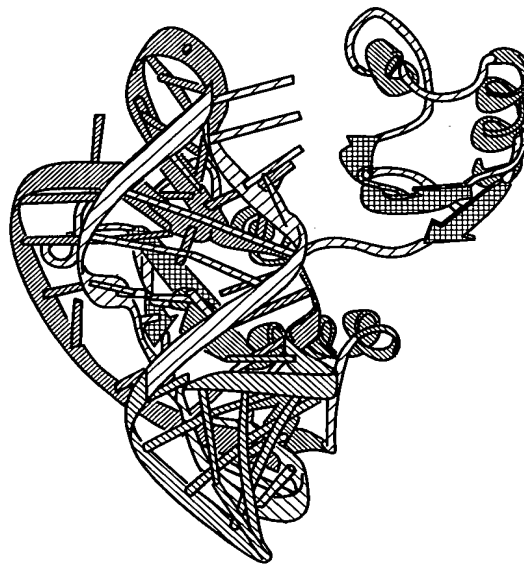
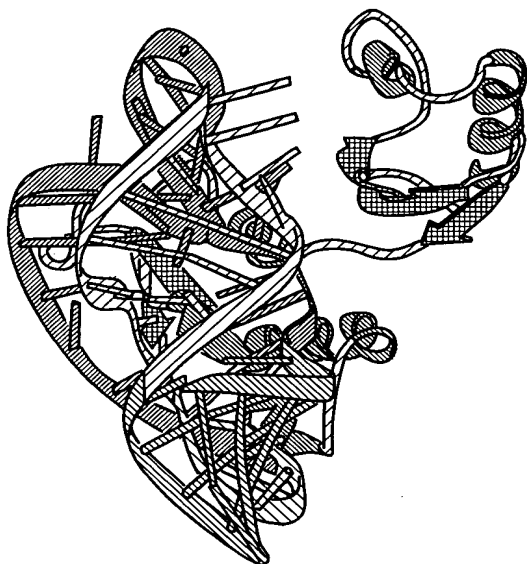


FIG. 4c





7/7

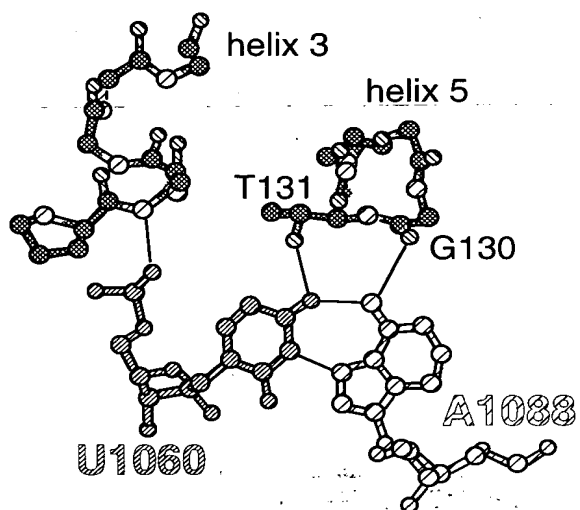


FIG. 5b

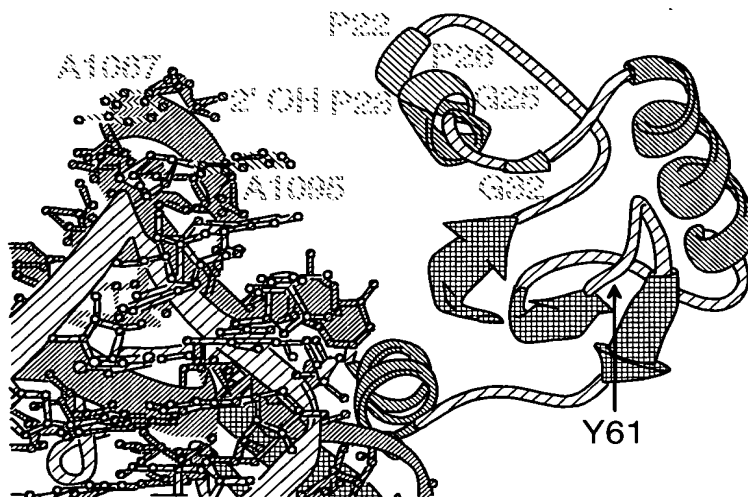


FIG. 6

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